

PRIORITY**SECRET**

13 OCT 70 12 56

OUT-70931

P 131243Z OCT 70
 FM NPIC WASHDC
 TO RHCOAAA/SAC OFFUTT AFB OMAHA NEBR
 RHCOAAA/544TH ARTW OFFUTT AFB OMAHA NEB
 RUCILBA/100TH SRW OL 19 MCCOY AFB FLA
 RUVRRIA/WRAMA/WRNWA WARNER ROBBINS AFB, GA
 RUWMDA/100TH SRW DAVIS MONTHAN AFB ARIZ
 RUWMDA/12 SAD DAVIS MONTHAN AFB ARIZ
 RUEBJRA/NAVRECONTECHSUPPCEN SUITLAND MD
 RUEAIIA/CIA WASH DC
 RUEKJCS/DIA
 RUWBKNA/15TH AF MARCH AFB RIVERSIDE CALIF
 RUEFHQA/HQS USAF
 BT

SECRET CITE NPIC 9552.
 SAC FOR DIRI, DOSR, DISD, DM4C; 100 SRW DAVIS MONTHAN AFB
 FOR DO, DCOI, DCM, AEMS; 12 SAD FOR MD; DIA FOR DIAXX-1;
 HQ USAF FOR AFIGOS, AFXOTR; 15TH AF FOR DI, DO, DM4C.
 SUBJ: EVALUATION OF OH MSN G-138, 3 OCT 70

1. IMAGE QUALITY: IMAGE QUALITY RANGES FROM POOR TO GOOD

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 WITH MOST IN GOOD CATEGORY. POOR QUALITY IMAGERY ASSOCIATED
 WITH BANDING (SEE PARA 3C). INTERP. SUIT. FAIR TO GOOD.
 CLOUDS OBSCURE APPROX 15 PCT OF ENTIRE MSN.

2. MSN DATA:

- A. MSN: G-138, DATE: 3 OCT 70.
- B. CAM: 1-2, UNIT: 8006
- C. A/C 340
- D. CAM MODE: STEREO
- E. VEHICLE T/O: 1105Z, CAM ON/13:15Z
- F. FILM: 3404
- G. CHEMISTRY: MX 819-1; PROCESS FACILITY: NRTSC
- H. AVG GAMMA: ORIG NEG: 1.95
- I. EXPOSURE SLIT: 0.085 IN.
- J. FILTER: W23A

3. ORIG NEG:

- A. EXPOSURE: BEGINNING OF MSN IS UNDEREXPOSED AND END IS OVEREXPOSED.
- B. DENSITY: THIN TO HEAVY CONTRAST: MED.
- C. IMAGE DEGRADATIONS: LOW FREQUENCY (1.25 IN) BANDING PERPENDICULAR TO FORMAT IS PRESENT INTERMITTENTLY THROUGHOUT.

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 CROSS-TRACK IMAGE SMEAR AND INSTANCES OF DOUBLE IMAGERY, ARE PRESENT WITHIN THESE AREAS.

- D. PHYSICAL DEGRADATIONS: FOUR HEAT AND TWO ULTRASONIC SPLICES NOTED.
- E. DATA RECORDING EQUIP: FUNCTIONED PROPERLY.

SECRET

F. OTHER: LAST TITLED FR. 1325 COUNTER 1330. BIAS OF 5 THROUGHOUT. V/H METER REGISTERS 7.7 AND CAMERA CYCLE RATE APPEARS SLOWER THAN NORMAL. GAPS IN IMAGERY OCCUR INTERMITTENTLY THROUGHOUT MSN BETWEEN SUCCESSIVE FWD AND SUCCESSIVE AFT FRAMES. SYSTEM SPECIFICATIONS CALL FOR OVERLAP OF 10 PCT BETWEEN SUCCESSIVE FWD/AFT FRS. MSN G-137 WHICH USED SAME CAM UNIT EXHIBITED SAME PROBLEM. AVERAGE OVERLAP FOR THIS MSN IS APPROX 0 PCT.

4. POSITIVES: ADEQUATE FOR EXPLOITATION; HOWEVER, LAST HALF OF MSN EXHIBITS THIN DENSITY.

EOM

GP-1

S E C R E T

--END OF MESSAGE--